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 Assistant Commissioner for Patents
 Washington, D.C. 20231, on May 20, 1996

By

Christine A. Bybee
 Christine A. Bybee

PATENT

Attorney Docket No. 16528X-008200
 (client file no. 1091)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

MARK S. CHEE ET AL.

Application No.: 08/327,525

Filed: October 21, 1994

For: COMPUTER-AIDED
 VISUALIZATION AND ANALYSIS
 SYSTEM FOR SEQUENCE
 EVALUATION

Examiner: D. Rees

Art Unit: 1807

AMENDMENT

12/C
 8/19/96
 (52296)
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GROUP 1800

Assistant Commissioner for Patents
 Washington, D.C. 20231

Sir:

In response to the Office Action mailed December 19, 1995, for which a petition for an extension of time is enclosed, please amend this application as follows.

IN THE CLAIMS:

Please cancel claims ~~1, 3-20~~ and ~~45-59~~ without prejudice. Please add new claims 60-105 as follows.

1-59. --CANCELED--

60. In a computer system, a method of identifying an unknown base in a sample nucleic acid sequence, said method comprising the steps of:

inputting a plurality of probe intensities for a plurality of nucleic acid probes, each probe intensity indicating an extent of hybridization of a nucleic acid probe with at least one nucleic acid sequence including said sample sequence, and each nucleic acid probe differing from each other by a single base;